

SECOR INTERNATIONAL INCORPORATED

www.secor.com

Post Office Box 203 12034 134th Court NE, Suite 102 Redmond, Washington 98052 425.372.1600 TEL / 425.372.1650 FAX

letter of transmittal

attention:	Mr. Mike Shepherd date: February 20, 2007							
company:	United States Environmental Protection Agency							
address:	Seattle Regional Office 1200 Sixth Avenue, OCE-082 Seattle, Washington 98101							
project:	ConocoPhillips #256357 (RMR #2926) at 3323 Marine Drive Northeast, Marysville, Washington							
job number:	01CP.02926.00							
re:	Subsurface Investigation Report							
enclosed:								
() Proposa () Contract (X) Report () Letter () Work Pla	(X) Review () Your Information () Approval							
comments:	Attached is the Subsurface Investigation Report for ConocoPhillips Site No. #256357 at 3323 Marine Drive Northeast, Marysville, Washington If you have any questions or comments, feel free to contact me at 425-372-1659 or khanson@secor.com or Marc Sauze at 425-636-6210 or msauze@secor.com .							

Thank you,

signator:

Katlin Hanson

title:

Project Geologist

CC:

project file

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U.S. EPA REGION 10

OFFICE OF COMPLIANCE AND ENFORCEMENT



SECOR INTERNATIONAL INCORPORATED WWW.Secor.com 12034 134th Court Northeast Suite 102 Redmond, WA 98052 425 372 1600 TEL 425 372 1650 FAX

January 24, 2007

Mr. Michael Noll
DXT SERVICES LLC
Approved Service Provider of ConocoPhillips
Risk Management & Remediation
11921 – 185th Avenue SE
Snohomish, WA 98290

RE:

Subsurface Investigation

ConocoPhillips Site No. 256357 (RMR #2926)

3323 Marine Drive Northeast, Marysville, Washington

SECOR Project No.: 01CP.02926.00

Dear Mr. Noll:

The following presents the results of a subsurface investigation performed by SECOR International, Inc. (SECOR) between August 8th and August 10th, 2006 at ConocoPhillips Facility No. 256357, located at 3323 Marine Drive Northeast, Marysville, Washington (site). The purpose of the investigation was to assess subsurface soil and groundwater quality in or near the areas where soil impacts had been previously identified in October 1995 and January 2005 and to evaluate soil and groundwater quality at the northeast, southeast and southwest corners of the site. The work plan was reviewed and approved by Mr. Michael Shepherd (regulatory representative for the United States Environmental Protection Agency (EPA)).

The results of the investigation are presented below.

SITE DESCRIPTION

The site is located in unincorporated Snohomish County and on Tulalip Tribes Reservation land. It is specifically situated southwest of the intersection of Marine Drive and 33rd Avenue Northeast and west of an Interstate 5 off-ramp, in Marysville, Washington (Figure 1). The site is also described as being located in Section 29 of Township 30 North, Range 5 East of the United States Geological Survey (USGS), Marysville, Washington 7.5-minute topographic quadrangle. The surrounding area consists of a mix of commercial establishments and vacant land. A McDonald's restaurant and hotel establishment border the site immediately to the north and a parking lot is situated to the west. A vacant lot is located across Marine Drive to the south.

The site includes a convenience store, four pump islands covered with a canopy, and two gasoline underground storage tanks (USTs). The remainder of the site is covered with asphalt or concrete except for landscaped areas. The site is located at an elevation of 24 feet above mean sea level. The site topography is generally level, although slight gradations exist, allowing surficial drainage towards catch basins for storm water management. Regional topography in the vicinity of the site is also relatively flat with a general topographic gradient towards the south. Quilceda Creek and Sturgeon Creek are located 0.27 miles northwest and 0.5 miles west of the site, respectively.

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BACKGROUND

SECOR's understanding of the site's background is limited to an overview of UST removal activities completed in 1995 and supervised by GeoEngineers, Inc., conclusions from a sensitive receptor survey conducted by SECOR International, Inc. (SECOR) in October 2004 and excavation activities supervised by SECOR related to a hydraulic hoist removal in January 2005.

GeoEngineers, Inc. supervised the removal of two steel 10,000-gallon gasoline USTs, two steel 550-gallon heating oil and waste oil USTs, and product lines and fuel dispensers in September and October 1995. The results of these activities are referenced in the report titled Report of Environmental Services, Underground Storage Tank Removal Monitoring, Unocal Service Station 6357, Marysville, Washington for Unocal ERS - West Region dated February 16, 1996. GeoEngineers personnel obtained ten soil samples from the limits of the combined former steel gasoline, heating oil and waste oil UST excavation, and beneath the former product lines and fuel dispensers. Gasoline range hydrocarbons were detected at a concentration greater than the Washington State Department of Ecology (Ecology) Model Toxics Control Act (MTCA) Method A cleanup level in soil sample, SWC-10.5, collected from the southwest corner of the excavation at a depth of approximately 10.5 feet. BTEX concentrations were detected in the sample below the MTCA Method A cleanup levels. Diesel and heavy oil range hydrocarbons were detected at concentrations less than the MTCA Method A cleanup levels. Benzene, toluene, ethylbenzene, and total xylenes (BTEX), gasoline range hydrocarbons, diesel and heavy oil range hydrocarbons were not detected in the other 8 samples collected and submitted for analysis.

Gasoline range hydrocarbons, toluene and total xylenes concentrations were detected at levels above the MTCA Method A cleanup levels in soil sample, FI1-1-3.5. This soil sample was collected from beneath the product line elbow at the north end of the westernmost pump island at a depth of 3.5 feet below grade. The sample location was overexcavated and a second soil sample was collected 2 feet deeper, at 5.5 feet below grade. Gasoline range hydrocarbons and BTEX concentrations did not exceed the MTCA Method A cleanup levels in soil sample, FI1-1-5.5. A test pit was excavated to 12.5 feet below grade at the location of the new gasoline USTs to evaluate soil and ground water conditions. Groundwater seepage occurred in the test pit at approximately 12 feet below grade. A groundwater sample collected from within the test pit did not contain petroleum hydrocarbons above the MTCA Method A cleanup levels. Approximately 70 cubic yards of impacted soil from the UST excavation and 180 cubic yards of clean soil from the replacement UST excavation were removed offsite for landfill disposal. Approximately 850 gallons of groundwater from the replacement UST excavation were tested and discharged to a storm drain at the site. Soil from the replacement UST excavation was placed and compacted in the former UST excavation. A 6-inch thick concrete slab was poured to achieve final grade at the location of the former USTs. The replacement fiberglass USTs and product lines were installed in the test pit location in October 1995.

Confirmatory soil sampling was conducted by SECOR personnel during the removal of a single hydraulic hoist in July 2002 and results are described in the report titled Summary Report – Hydraulic Hoist Removal for TOSCO Facility No. 256357, 3323 Marine View Drive, Marysville,

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Washington dated October 9, 2002. Two confirmatory soil samples were collected from the middle of the hoist excavation, approximately 8.5 feet below grade. Diesel range organics, heavy oil range organics, Aroclor 1254 (a polychlorinated biphenyl), arsenic, barium, chromium and lead were detected in both samples but at concentrations below the MTCA Method A cleanup levels.

According to a sensitive receptor survey performed by SECOR in November 2004 and described in the report titled *Sensitive Receptor Survey, ConocoPhillips Site No.* 6357, *November 3, 2004*, there are sensitive receptors within a ½-mile radius including surface water bodies, wetlands, both Marysville Junior and Senior High Schools, utility vaults and water wells. Marysville Junior High School and Marysville High school are located approximately 0.65 miles east-northeast of the site. Quilceda Creek is the only major surface water body located within ½-mile radius of the site and is west of the site. According to the Ecology Well Logs Database, four water supply wells and 78 resource protection wells are located within ½-mile radius of the site. A well log search performed by Environmental Data Resources, Inc., identified one well within the ½-mile search radius after a search of the federal FRDS Public Water Supply System Information. This well is located approximately 0.42 miles east of the site. The well log search also produced information for 10 USGS wells located north and northwest of the site and within 1/2-mile of the site.

In January 2005, SECOR personnel sampled soils during the removal of a hydraulic hoist from the north service bay of the three service bays located in the station building at the site. Results from these activities are referenced in the report titled, *Summary Report, Hydraulic Hoist Removal, ConocoPhillips Facility No. 256357, February 28, 2005.* The hoist excavation was located on the north end of the service bay area approximately three feet from the north wall of the building. After the hoist was removed and found to be in generally good condition, the excavation was extended to 8 feet below grade. One confirmatory soil sample, EX-1, was collected from approximately eight feet below grade at the base of the hoist excavation. This sample had a diesel range hydrocarbon concentration of 130 mg/kg and a heavy oil range hydrocarbon concentration of 2300 mg/kg.

Since the concentration exceeded the MTCA Method A cleanup level for heavy oil hydrocarbons in the sample collected from the vertical limit of the excavation, the excavation was deepened to remediate impacted soils and collect a confirmatory sample from a deeper depth. None of the second round of samples had detectable concentrations of diesel range hydrocarbons. The soil sample, Bottom, collected at 10.5 feet below grade had a heavy oil range hydrocarbon concentration of 4700 mg/kg. The North Wall sample, collected 9 feet below grade along the north excavation sidewall, had a heavy oil range hydrocarbon concentration of 980 mg/kg. The West Wall sample, collected 9 feet below grade along the west sidewall, had a heavy oil range hydrocarbon concentration of 640 mg/kg. The sampling results showed that impacted soils were present directly beneath the hoist cylinders with little lateral migration and residual heavy oil range hydrocarbons were present in the sandy soils. A total of 14.33 tons of impacted soil was removed from the hoist excavation and the excavation was backfilled with 13.75 tons of clean pea gravel. The service bay area is currently operated as a convenience store.

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SECOR recommended the additional well installations based on the following:

- Gasoline range hydrocarbons were detected at a concentration greater than the MTCA Method A cleanup level in soil sample, SWC-10.5, collected from the southwest corner of the combined former steel gasoline, heating oil and waste oil UST excavation in October 1995;
- Gasoline range hydrocarbons, toluene and total xylenes concentrations were detected at levels above the MTCA Method A cleanup levels in soil sample, FI1-1-3.5 collected from beneath the product line elbow at the north end of the westernmost pump island at a depth of 3.5 feet below grade in October 1995;
- The sampling results from the January 2005 hoist excavation showed that impacted soils
 were present directly beneath the hoist cylinders with little lateral migration and residual
 heavy oil range hydrocarbons were present in the sandy soils; and
- Lack of soil and groundwater data for the site and for lateral migration of previously encountered soil impacts.

The scope of work completed is detailed below.

SCOPE OF WORK

The scope of work, performed on August 8th to August 10th, 2006, included installation of eight borings (SB-1 through SB-8) and their completion as eight monitoring wells (labeled MW-1 through MW-8) as described in SECOR's work plan dated September 30, 2005. The wells were installed to a maximum depth of 20 feet below grade. The well completion depths and screen placement were chosen based on field observations during drilling.

FIELD ACTIVITIES

Cascade Drilling Inc. (Cascade) provided drilling services and Applied Professional Services, Inc. (APS) provided private utility locating services. SECOR personnel were present during all phases of the fieldwork. Details regarding fieldwork are described as follows:

- Preparing a project-specific Health and Safety Plan (HASP);
- Marking the well locations, notifying the municipal Utility Notification Center, and hiring a
 private utility locator to identify any potential conflicts with existing underground utilities;
- Using an air wand and vacuum truck to clear the borings to 5 feet below grade;
- Advancing 8 borings and completing them as 2-inch diameter groundwater monitoring wells at the locations shown on Figure 2;
- Collecting soil samples at approximate 5-foot intervals for purposes of logging subsurface conditions, field screening soil samples for organic vapors using a photo-

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ionization detector (PID), and submitting selected soil samples for laboratory analysis; and

Preparing a report of the site investigation activities.

Drilling and Sampling Activities

SECOR directed the drilling and installation of eight monitoring wells using an 8-inch diameter, hollow-stem auger rig. Monitoring wells were installed in the following areas to further characterize soil and groundwater onsite:

- Monitoring well MW-1, was installed north outside of the station building. Soil borings could
 not be drilled inside the building because the three service bays with hoists were removed
 and a convenience store was constructed in their place.
- Monitoring wells MW-2 and MW-3 were installed east of the convenience store building in or near the boundaries of the October 1995 excavation.
- Monitoring well MW-4 was installed in the planter located at the southeast corner of the site.
- Monitoring well MW-5 was installed in the planter located at the southwest corner of the site.
- Monitoring well MW-6 was installed west and outside of the station building near the side containing the former Service Bay #1, #2 and #3 hydraulic hoists.
- Monitoring well MW-7 was installed on the east side of the north end of the westernmost fuel dispenser in the area where soil sample, FI1-1-3.5, was collected.
- Monitoring well MW-8 was installed near the northeast corner of the site.

During borehole advancement, soil samples were collected at 5 foot intervals from the ground surface through the total extent of the boring for visual inspection, lithologic description, and field screening for the presence of volatile organic compounds. Augers and samplers were decontaminated between borings to prevent cross-contamination. Soil samples were obtained using a split-spoon sampler and collected directly into laboratory supplied jars. For the EPA 5035A samples, soil was collected using a laboratory supplied sampler and placed into laboratory supplied containers preserved with methanol. All soil samples were immediately placed in an iced cooler under chain-of-custody documentation pending transportation to the laboratory. All samples were uniquely labeled.

A portion of the recovered soil was placed into small, re-sealable plastic bags and vapors were allowed to equilibrate for approximately 10 minutes. A photo ionization detector (PID) was then used to monitor the vapors contained within the plastic bag for volatile organic compounds (VOCs). Results of these readings were recorded on the boring logs. The PID was equipped with an ultraviolet lamp of 10.8 electron volts (eV) and calibrated to a 100 parts per million isobutylene standard.

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A physical description of the soil types encountered at each sampling location was recorded on boring logs in general accordance with the unified soil classification system (USCS). Boring logs are presented in Attachment A.

Subsurface Conditions

Soils encountered during the drilling activities generally consisted of tan silty sands and tan to grayish brown sands with trace fine rounded gravels to the maximum drilled depth of 20 feet. Groundwater was initially encountered at depths between 11.40 to 14 feet in the eight borings prior to monitoring well construction. Static groundwater levels in the new monitoring wells ranged between 11.05 feet below grade (MW-5) to 12.70 feet below grade (MW-8).

Monitoring Well Installation

Well construction consisted of placement of a screened interval from the bottom of the boring to 7 feet below grade in all the wells except MW-1 where the top of the screened interval was at 10 feet below grade using 0.01-inch machine slotted, 2-inch diameter, flush-threaded, Schedule 40 PVC. Blank 2-inch diameter, Schedule 40 PVC was used to complete the each well to ground surface. The annular space around the screen was filled with 10/20 Colorado sand from the bottom of the boring to approximately 2 feet above the top of the screen. Hydrated bentonite chips were then used to fill the annular space to within approximately 2 feet below grade. A traffic-rated monument was secured flush with ground surface using concrete. The wells were completed at depths of 17 feet (MW-2, MW-3, MW-6), of 18 feet (MW-4, MW-5, MW-7, MW-8) and of 20 feet (MW-1). Details of the monitoring well construction are provided in the boring logs in Attachment A.

Monitoring Well Development

After the wells were installed, the wells were developed by purging each well with a downhole pump. The wells were purged until the amount of suspended sediment in the purge water decreased significantly and the water appeared clear. Approximately 20 to 30 gallons of purge water were removed from each of the monitoring wells.

Groundwater Sampling Activities

Groundwater samples were collected from all eight monitoring wells on August 24, 2006. Prior to collecting groundwater samples from the eight monitoring wells, static water levels were obtained by slowly lowering an electronic water level indicator into each respective well until the instrument indicated that the groundwater surface had been encountered. The measurement was made from the top of each respective casing to within the nearest 0.01 foot. Approximately 3 well casing volumes of groundwater were removed from each well, using a downhole pump and dedicated tubing prior to sampling.

Measurements of the groundwater including turbidity, color, oxidation-reduction potential (ORP), pH, temperature, conductivity, and odor were recorded. All the groundwater samples had low turbidity and were clear. The ORP ranged from 120 mV (MW-3) to 232 mV (MW-2). The pH ranged from 6.34 (MW-6) to 7.08 (MW-7). The temperature ranged from 16.45 to 18.27

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Celsius. The conductivity ranged from 0.224 to 0.402 Siemens per meter. After three series of measurements varied by less than 10 percent, groundwater samples were then collected using a peristaltic pump with new disposable silicon tubing connected to the dedicated tubing in the well. Groundwater samples were collected directly into laboratory supplied containers and immediately placed in an iced cooler under chain of custody documentation.

Soil Analytical Program

The soil samples were submitted to Lancaster Laboratories, Inc. in Lancaster, Pennsylvania for chemical analysis. Soil samples were selected for analysis from each boring based on field observations including color, depth, PID readings, and depth to groundwater.

Each selected soil sample was submitted for selected analyses for constituents listed in Table 830.1 "Required Testing for Petroleum Releases" in the Ecology's MTCA cleanup Regulation (Ch. 173-340 WAC) including total petroleum hydrocarbons as gasoline (TPH-g) using Northwest Method NWTPH-Gx, diesel range organics and heavy range organics using Northwest Method NWTPH-Dx Modified with Silica Gel Cleanup, and benzene, toluene, ethylbenzene, and total xylenes (BTEX) using EPA Method 8021B. Two samples MW-2@10' and MW-7@10' were submitted for additional analyses including dibromoethane (EDB), dichloroethane (EDC), polycyclic aromatic hydrocarbons (PAHs), volatile petroleum hydrocarbons (VPH), extractable petroleum hydrocarbons (EPH), methyl tertiary-butyl ether (MTBE), naphthalene, and total lead.

Soil sample MW-2@10' was submitted for additional analyses including halogenated volatile organic compounds (HVOCs) and polychlorinated biphenyls (PCBs).

Groundwater Analytical Program

Groundwater samples were also submitted to Lancaster for chemical analyses for constituents listed in Table 830.1 "Required Testing for Petroleum Releases" in the MTCA cleanup Regulation (Ch. 173-340 WAC) including TPH-g, diesel range organics, heavy range organics, and BTEX. Groundwater sample MW2 was also submitted for EDB, EDC, MTBE, naphthalene, HVOCs, EPH, VPH, PCBs, PAHs and total lead.

Waste Management

All soil cuttings, decon water and well development water generated during the drilling activities were stored in Department of Transportation (DOT)-approved, steel, 55-gallon drums. All drums were labeled and placed behind the store building at the northeast corner pending receipt of the sample analytical results. Based on analytical results, the soil and water were profiled and transported by a licensed waste hauler for disposal at the Greater Wenatchee Landfill in Wenatchee, Washington. The soil and water disposal documents are included in Attachment C.

ANALYTICAL TEST RESULTS

The following summarizes the soil analytical laboratory test results:

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- Toluene was detected above the laboratory method reporting limit (MRL) in soil samples MW-1@10' and MW-3@10' but the concentration did not exceed the MTCA Method A cleanup levels.
- Total xylenes and tetrachloroethene were detected above the laboratory MRLs in soil sample MW-3@10' but concentrations did not exceed the MTCA Method A cleanup level.
- Total lead was detected above the laboratory MRL in soil samples MW-2@10 and MW-7@10 but the concentration did not exceed the MTCA Method A cleanup level.
- The halogenated volatile organic compound, tetrachloroethene, was detected at the laboratory MRL in soil sample MW-2@10 but the concentration did not exceed the MTCA Method A cleanup level.

The following summarizes the groundwater analytical laboratory test results:

- Diesel and heavy oil range organics were detected above the laboratory MRLs in groundwater sample MW5 but concentrations did not exceed the MTCA Method A cleanup level.
- The analyte EDB was not included in the "Volatiles by 8260 Full Scan" list in the laboratory analytical report.

Laboratory results are summarized on Table 1 through Table 3. Results are also shown on Figure 3 and Figure 4. Analytical laboratory reports and chain-of-custody documentation are included as Attachment B.

FLOW DIRECTION AND GRADIENT

At the time of the groundwater sampling, the groundwater flow direction was approximately to the southwest. Groundwater elevations ranged from 96.26 feet (MW-5) to 98.36 feet (MW-8). The groundwater gradient was approximately 0.015 feet/feet. The flow direction is shown on Figure 2 and Figure 4.

CONCLUSIONS

SECOR completed a subsurface investigation from August 8th to August 10th, 2006 to further characterize soils and groundwater near the areas where soil impacts had been previously identified in October 1995 and January 2005 and to evaluate soil and groundwater quality at the northeast, southeast and southwest corners of the site.

Monitoring wells MW-1 and MW-6 were installed north and west outside of the station building. Soil borings could not be drilled inside the building because the three service bays with hoists were removed and a convenience store was constructed in their place. Monitoring wells MW-2 and MW-3 were installed east of the convenience store building in or near the boundaries of the October 1995 excavation. Monitoring well MW-4 was installed in the planter located at the southeast corner of the site. Monitoring well MW-5 was installed in the planter located at the

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southwest corner of the site. Monitoring well MW-7 was installed on the east side of the north end of the westernmost fuel dispenser in the area where soil sample, FI1-1-3.5, was collected in October 1995. Monitoring well MW-8 was installed near the northeast corner of the site.

Based on analytical results, toluene, total xylenes and lead impacts at levels below the MTCA Method A cleanup levels were located in soil associated with the borings advanced to install monitoring wells MW-1, MW-2, MW-3 and MW-7. Diesel and heavy oil range impacts below the MTCA Method A cleanup levels were detected in groundwater from monitoring well MW-5.

Thus results indicate no concentrations of regulated contaminants above the MTCA Method A cleanup levels in soil and groundwater samples collected from the areas investigated. The site is on Native American land and is under the jurisdiction of the EPA. Based on preliminary discussions with Mr. Michael Shepherd, an equivalent of a 'no further action' letter is obtainable after four quarters of groundwater results below detection limits have been reported.

Soil impacts identified about a year ago remain beneath a hydraulic hoist removed from the former service bay area. These soils were never removed because of access issues due to a convenience store occupying the former service bay area. According to Mr. Shepherd, as long as groundwater was not impacted, this should not be an issue.

SECOR appreciates the opportunity to provide environmental consulting services to ConocoPhillips Company. If you have any questions regarding this investigation or wish to discuss the project in general, please contact the undersigned.

Sincerely,

SECOR International Incorporated

Katlin Hanson

Project Geologist

Marc Sauze

Senior Project Manager

cc: Mr. Michael Shepherd, Indian Lands Coordinator/LUST Project Manager, EPA Seattle Regional Office

Toxics Cleanup Program, Washington State Department of Ecology, Northwest Regional Office

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LIST OF FIGURES

Figure 1 – Site Location Map

Figure 2 – Site Plan with New Well Locations and Elevations

Figure 3 – Site Plan with Soil Analytical Results (8/8-10/2006)

Figure 4 – Site Plan with Groundwater Elevations and Analytical Results (8/8-10/2006)

LIST OF TABLES

Table 1 - Soil Analytical Results

Table 2 – Groundwater Analytical Results

Table 3 - Groundwater Analytical Results - PAHs

LIST OF ATTACHMENTS

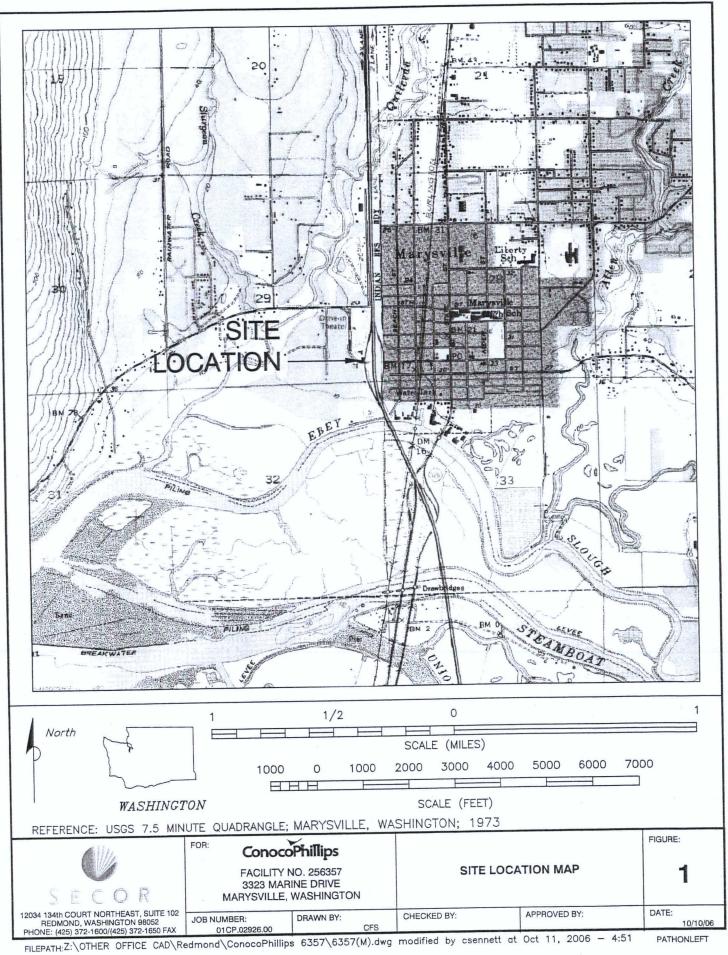
ATTACHMENT A BORING AND WELL CONSTRUCTION LOGS

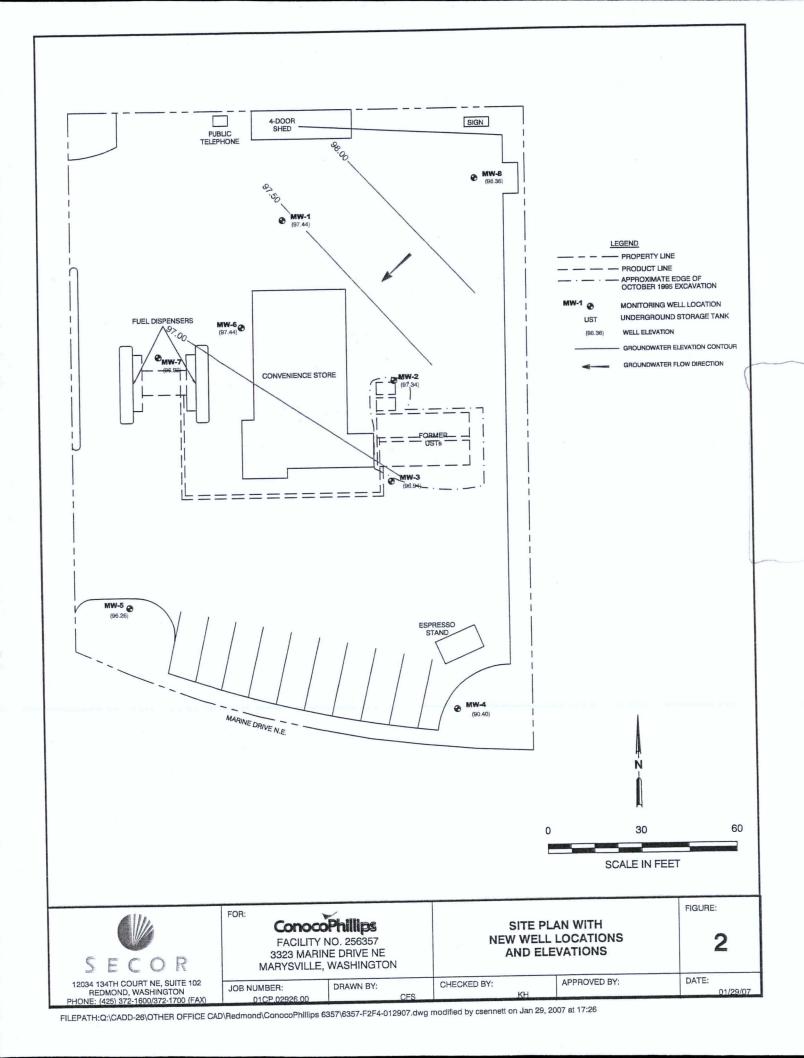
ATTACHMENT B ANALYTICAL LABORATORY REPORT AND CHAIN OF CUSTODY

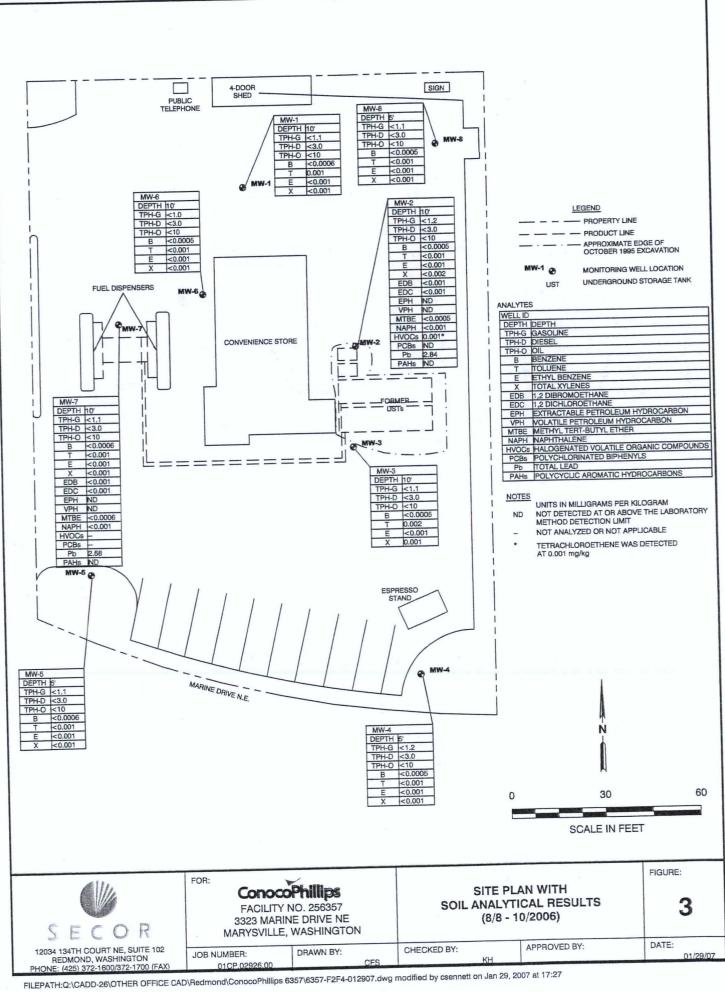
DOCUMENTATION

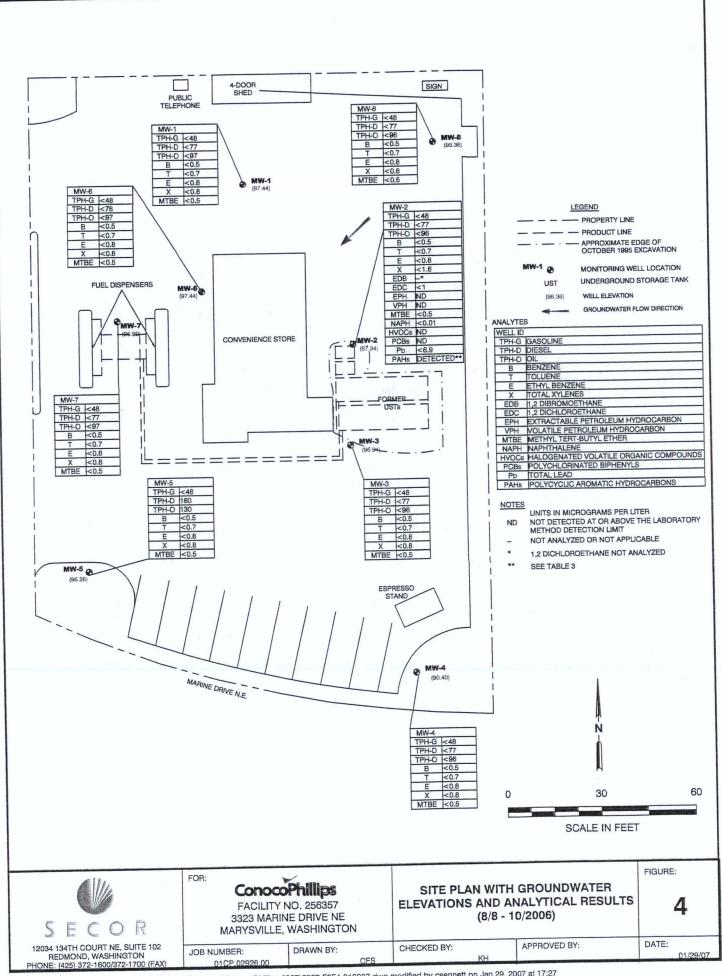
ATTACHMENT C SOIL AND WATER DISPOSAL DOCUMENTS

FIGURES









TABLES

TABLE 1

SOIL ANALYTICAL RESULTS

ConocoPhillips Site No. 256357 3323 Marine Drive Northeast Marysville, Washington

Total Petroleum Hydrocarbons Volatile Organic Compounds									Metals											
Sample Identification	Sample Date	Sample Depth (feet bgs)	PID Field Screen (ppm)	TPH-g (mg/kg)	Diesel- Range (mg/kg)	Heavy- Range (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl- benzene (mg/kg)	Total Xylenes (mg/kg)	EDB (mg/kg)	EDC (mg/kg)	PAHs (mg/kg)	EPH (mg/kg)	VPH (mg/kg)		Naphthalene (mg/kg)	HVOCs	PCBs (mg/kg)	Total Lead (mg/kg)
MW-1@10'	8/8/06	10	0	<1.1ª	<3.0	<10	<0.0006	0.001 ^b	<0.001	< 0.001										
MW-2@10'	8/9/06	10	0	<1.2ª	<3.0	<10	< 0.0005	< 0.001	<0.001	< 0.002	<0.001	<0.001	ND	ND	ND	< 0.0005	<0.001	0.001°	ND	2.84
	8/9/06	10	0	<1.1ª	<3.0	<10	< 0.0005	0.002	<0.001	0.001										
MW-3@10'	8/8/06	5	0	<1.2ª	<3.0	<10	<0.0005	<0.001	< 0.001	< 0.001										
MW-4@5'		5	0	<1.1ª	<3.0	<10	<0.0006	< 0.001	< 0.001	< 0.001										
MW-5@5'	8/8/06	10	0.7	<1.0 ^a	<3.0	<10	<0.0005	<0.001	<0.001	< 0.001										
MW-6@10'	8/9/06		0.7	<1.0 <1.1 ^a	<3.0	<10	<0.0006	<0.001	<0.001	< 0.001	<0.001	<0.001	ND	ND	ND	<0.0006	<0.001			2.58
MW-7@10'	8/9/06	10	0	<1.1 ^a	<3.0	<10	<0.0005	<0.001	<0.001	< 0.001										
MW-8@5'	8/9/06	5	1 0	30/100*	2,000	2,000	0.03	7	6	9	0.005					0.1	5		1**	250

Notes:

BOLD - Concentration above MTCA Method A Cleanup Level

ND = Less than the stated laboratory method detection limit

-- = Not analyzed, not applicable, or not sampled

All concentrations in milligrams per kilogram (mg/kg).

bgs = below ground surface

Total petroleum hydrocarbons as gasoline (TPH-g) by Northwest Method NWTPH-Gx

Diesel range and heavy range organics by Northwest Method NWTPH-Dx Modified with Silica Gel Acid Cleanup

Benzene, toluene, ethylbenzene, and xylenes by EPA Method SW846/8260B.

EDB = 1,2-dibromoethane; EDC = 1,2-dichloroethane by EPA Method SW846/8260B

PAHs = Polycyclic aromatic hydrocarbons by SW846/8270C SIM

EPH = extractable petroleum hydrocarbons by WA Ecology EPH Method

VPH = volatile petroleum hydrocarbons by WA Ecology VPH Method

MTBE = methyl tert-butyl ether by EPA Method SW846/8260B

Naphthalene by EPA Method SW846/8270C SIM

HVOCs = Halogenated volatile organic compounds by EPA Method SW846/8260B

PCBs = Polychlorinated biphenyls by EPA Method SW846/8082

Total lead by EPA Method SW846/6010B.

MTCA = Model Toxics Control Act (Chapter 173-340 WAC)

*Gasoline-range hydrocarbon cleanup level is 30 mg/Kg with benzene present in the sample, and 100 mg/Kg with no benzene detected.

[&]quot;Cleanup level based on applicable federal law (40 CFR 761.61) and a total value for all PCBs

^a The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were raised.

^b The value reported for toluene is probably due to carryover from the previous sample. Because only one sample vial was submitted for this analysis, the analysis could not be repeated.

^c Tetrachloroethene was detected at the method reporting limit (0.001 mg/kg).

TABLE 2 GROUNDWATER ANALYTICAL RESULTS

ConocoPhillips Site No. 256357 3323 Marine Drive Northeast Marysville, Washington

			Total Petrol	leum Hydr	ocarbons			Vola	tile Organi	c Compo	unds							Metals
Sample Identification	Sample Date	Depth to Groundwater (feet bgs)	TPH-g (μg/L)	Diesel Range (µg/L)	Heavy Range (μg/L)	Benzene (µg/L)	Toluene (μg/L)	Ethyl- benzene (µg/L)	Total Xylenes (μg/L)	EDB (μg/L)	EDC (μg/L)	MTBE (μg/L)	Naphthalene (μg/L)	HVOCs (μg/L)	EPH (μg/L)	VPH (μg/L)	PCBs (μg/L)	Total Lead (µg/L)
MW1	8/24/06	12.13	<48	<77	<97	<0.5	<0.7	<0.8	<0.8			<0.5						
MW2	8/24/06	12.10	<48	<77	<96	<0.5	<0.7	<0.8	<1.6	a	<1	<0.5	<0.01	ND	ND	ND	ND	<6.9
MW3	8/24/06	11.77	<48	<77	<96	<0.5	<0.7	<0.8	<0.8			<0.5						
MW4	8/24/06	11.43	<48	<77	<96	<0.5	<0.7	<0.8	<0.8			<0.5						
MW5	8/24/06	11.26	<48	160	130	<0.5	<0.7	<0.8	<0.8			<0.5	/					
MW6	8/24/06	12.20	<48	<78	<97	<0.5	<0.7	<0.8	<0.8			<0.5						
MW7	8/24/06	11.73	<48	<77	<97	<0.5	<0.7	<0.8	<0.8			<0.5						
MW8	8/24/06	12.95	<48	<77	<96	<0.5	<0.7	<0.8	<0.8			<0.5						
Trip Blank	8/24/06	12.55	<48			<0.5	<0.7	<0.8	<0.8	***		<0.5						
MTCA Level A			1,000/800	500	500	5	1,000	700	1,000	0.01	5	20	160**				0.1	15

Notes:

BOLD - Concentration above MTCA Method A Cleanup Level

-- = Not analyzed, not applicable, or not sampled

ND = Not detected

All concentrations in micrograms per liter (μg/L)

MTCA = Model Toxics Control Act (Chapter 173-340 WAC)

bas = below ground surface

Total petroleum hydrocarbons as gasoline (TPH-g) by ECY 97-602 NWTPH-Gx Modified

Diesel and heavy range organics by Northwest Method NWTPH-Dx Modified with Silica Gel Acid Cleanup (ECY 97-602 NWTPH-Dx Modified)

Benzene, toluene, ethylbenzene, and xylenes by EPA Method SW-846 8021B and 5030B

EDB = 1,2-dibromoethane and EDC = 1,2-dichloroethane by EPA Method 8260 Full Scan

MTBE = methyl tert-butyl ether by EPA Method 8260 Full Scan

Naphthalene by EPA Method 8270 SIM

EPH = Extractable petroleum hydrocarbons by Ecology EPH Method

VPH = Volatile petroleum hydrocarbons by Ecology VPH Method

HVOCs = Halogenated volatile organic compounds by EPA Method 8260

PCB = Polychlorinated biphenyls by SW-846 8082

Total lead by EPA Method SW-846 6010B

 * Gasoline-range hydrocarbon cleanup level is 800 μ g/L with benzene present in the sample, and 1000 μ g/L with no benzene detected.

[&]quot;Cleanup level based on concentration derived using Equation 720-1. This is a total value for naphthalene, 1-methyl naphthalene and 2-methyl naphthalene.

[&]quot;Cleanup level based on concentration derived using Equation 720-2, adjusted for the practical quantitation limit. This cleanup level is a total value for all PCBs.

^a 1,2 Dibromoethane was not in the analyte list under Volatiles by 8260 Full Scan

TABLE 3 GROUNDWATER ANALYTICAL RESULTS - PAHs

ConocoPhillips Site No. 256357 3323 Marine Drive Northeast Marysville, Washington

Sample Identification	MW2	
Sample Date	08/24/06	
Analyte		
Acenaphthylene	<0.02	
Acenaphthene ^a	<0.01	
Fluorene	<0.01	
Phenanthrene	0.041	
Anthracene	<0.02	
Fluoranthene	0.010	,
Pyrene	<0.02	
Benzo(a)anthracene ^b	<0.02	Z -83
Chrysene ^b	<0.02	
Benzo(b)fluorantheneb	<0.02	
Benzo(k)fluorantheneb	<0.01	
Benzo(a)pyrene ^b	<0.02	
Indeno(1,2,3-cd)pyrene ^b	<0.02	
Dibenz(a,h)anthracene ^b	<0.02	
Benzo(g,h,i)perylene ^b	<0.02	
1-Methylnaphthalene	0.018	
2-Methylnapththalene	0.017	
Naphthalene	<0.01	

Notes:

All concentrations in µg/L.

PAHs - polycyclic aromatic hydrocarbons

PAHs by EPA Method 8270-SIM

< = Less than the stated laboratory method reporting limit.

Several compounds were detected in the method blank associated with the sample. Sufficient sample was not available to re-extract the sample.

^a Noncarcinogenic PAHs

^b Carcinogenic PAHs

ATTACHMENT A BORING AND WELL CONSTRUCTION LOGS

Subsurface Investigation ConocoPhillips Site No. 256357 3323 Marine Drive Northeast, Marysville, Washington SECOR PN No.: 01CP.02926.00 January 24, 2007

WELL / PROBEHOLE / BOREHOLE NO: PROJECT: 256357 Marysville LOCATION: 3323 Marine Drive NE, Marysville, WA MW-1 PAGE 1 OF 1 SECOR PROJECT NUMBER: 01CP.02926.00 NORTHING (ft): EASTING (ft): COMPLETED: 8/8/06 STARTED 8/8/06 DRILLING: LONGITUDE: LATITUDE: INSTALLATION: STARTED 8/8/06 COMPLETED: 8/8/06 TOC ELEV (ft): 97.44 GROUND ELEV (ft): DRILLING COMPANY: Cascade Drilling, Inc. BOREHOLE DEPTH (ft): 20.0 INITIAL DTW (ft): 12.40 8/8/06 DRILLING EQUIPMENT: CME 75 & 300 lb. hammer WELL DEPTH (ft): 20.0 STATIC DTW (ft): 11.90 8/9/06 BOREHOLE DIAMETER (in): 8 DRILLING METHOD: Auger WELL CASING DIAMETER (in): 2 LOGGED BY: K. Hanson CHECKED BY: SAMPLING EQUIPMENT: Split Spoon Headspace PID (units) Sample Recov. (feet) Blow Count Graphic Log Depth (feet) Firme & Depth (feet) Well USCS Time Description Sample ID Construction Asphalt Concrete 11:15 10 0 1 Cleared to 5' below grade with vacuum truck MW-1@5' 13 Hydrated 5-SILTY SAND; SM; tan; loose; dry to moist; no bentonite odor chips 5 11:25 0 1 6 MW-1@10' 10 10 SAND; SP; tan; loose; dry to moist; no odor Clean 10-20 10 11:30 sand 0 1 20 MW-1@15' 25 0.010 15 SAND; SP; tan and brown; fine to machine medium-grained; loose; wet; no odor; no sheen slotted screen 1/26/07 GEO FORM 304 256357-CP-AUG-2006.GPJ SECOR INTL.GDT SAND WITH TRACE SILT; SP; tan and 11:35 10 0 1 brown; fine-grained; loose; moist; no odor; MW-1@20' Well cap 25 mottled; no sheen 20 Hole terminated at 20 feet.

WELL / PROBEHOLE / BOREHOLE NO: PROJECT: 256357 Marysville LOCATION: 3323 Marine Drive NE, Marysville, WA MW-2 PAGE 1 OF 1 SECOR PROJECT NUMBER: 01CP.02926.00 EASTING (ft): NORTHING (ft): STARTED 8/8/06 COMPLETED: 8/9/06 DRILLING: LONGITUDE: LATITUDE: COMPLETED: 8/9/06 INSTALLATION: STARTED 8/8/06 TOC ELEV (ft): 97.34 GROUND ELEV (ft): DRILLING COMPANY: Cascade Drilling, Inc. BOREHOLE DEPTH (ft): 17.0 INITIAL DTW (ft): 12.25 8/8/06 DRILLING EQUIPMENT: CME 75 & 300 lb. hammer STATIC DTW (ft): 11.89 8/9/06 WELL DEPTH (ft): 17.0 BOREHOLE DIAMETER (in): 8 WELL CASING DIAMETER (in): 2 DRILLING METHOD: Auger LOGGED BY: K. Hanson CHECKED BY: SAMPLING EQUIPMENT: Split Spoon Measure Recov. (feet) Blow Count Depth (feet) Graphic Log Well USCS Time Description Construction Sample ID **ASPHALT** Cleared to 5.5' below grade with vacuum truck Concrete Hydrated bentonite 6 chips 12:50 0 1 10 MW-2@5 11 5 SAND; SP; tan to brown; medium-grained; loose; moist; no odor 12:55 0 1 8 MW-2@10' 9 10 SAND; SP; grayish brown; medium-grained; loose; moist; no odor Clean 10-20 sand 0.010 machine slotted screen 10 13:00 0 1 10 MW-2@15' 17 SAND; SP; grayish brown; medium-grained; loose; wet; no odor, tan fine silty sand lense at 15.25', no sheen SECOR INTL.GDT 1/26/07 Well cap Hole terminated at 17 feet. 20 GEO FORM 304 256357-CP-AUG-2006.GPJ 20-

WELL / PROBEHOLE / BOREHOLE NO: PROJECT: 256357 Marysville LOCATION: 3323 Marine Drive NE, Marysville, WA MW-3 PAGE 1 OF 1 SECOR PROJECT NUMBER: 01CP.02926.00 EASTING (ft): NORTHING (ft): COMPLETED: 8/9/06 STARTED 8/8/06 DRILLING: LONGITUDE: LATITUDE: COMPLETED: 8/9/06 INSTALLATION: STARTED 8/8/06 TOC ELEV (ft): 96.94 GROUND ELEV (ft): DRILLING COMPANY: Cascade Drilling, Inc. BOREHOLE DEPTH (ft): 17.0 INITIAL DTW (ft): 11.90 8/9/06 DRILLING EQUIPMENT: CME 75 & 300 lb. hammer WELL DEPTH (ft): 17.0 STATIC DTW (ft): 11.60 8/9/06 BOREHOLE DIAMETER (in): 8 DRILLING METHOD: Auger WELL CASING DIAMETER (in): 2 LOGGED BY: K. Hanson CHECKED BY: SAMPLING EQUIPMENT: Split Spoon Headspace PID (units) Measured Recov. (feet) Blow Count Sample Graphic Log Depth (feet) Time & Depth (feet) Well Time **USCS** Description Construction Sample ID **ASPHALT** Concrete Hydrated bentonite chips 14:10 6 0 1 Cleared to 5' below grade with vacuum truck MW-3@5' 13 5 SAND; SP; brownish gray; medium-grained; SP loose; moist; no odor 10 14:15 0 1 10 MW-3@10' 14 10 10 SP SAND; SP; brownish gray; medium-grained; loose; moist; no odor Clean 10-20 sand 0.010 machine slotted screen 10 14:35 0 14 1 MW-3@15' 25 15 SAND; SP; brownish gray; medium-grained; loose; wet; no odor; trace fine subangular gravel, no sheen GEO FORM 304 256357-CP-AUG-2006.GPJ_SECOR INTL.GDT_1/26/07 Well cap Hole terminated at 17 feet. 20 20-

WELL / PROBEHOLE / BOREHOLE NO: PROJECT: 256357 Marysville LOCATION: 3323 Marine Drive NE, Marysville, WA MW-4 PAGE 1 OF 1 SECOR PROJECT NUMBER: 01CP.02926.00 EASTING (ft): NORTHING (ft): COMPLETED: 8/8/06 STARTED 8/8/06 DRILLING: LONGITUDE: LATITUDE: COMPLETED: 8/8/06 INSTALLATION: STARTED 8/8/06 TOC ELEV (ft): 96.40 GROUND ELEV (ft): DRILLING COMPANY: Cascade Drilling, Inc. BOREHOLE DEPTH (ft): 20.0 INITIAL DTW (ft): 14.00 8/8/06 DRILLING EQUIPMENT: CME 75 & 300 lb. hammer WELL DEPTH (ft): 18.0 STATIC DTW (ft): 11.10 8/9/06 BOREHOLE DIAMETER (in): 8 WELL CASING DIAMETER (in): 2 DRILLING METHOD: Auger LOGGED BY: K. Hanson CHECKED BY: SAMPLING EQUIPMENT: Split Spoon leadspace PID (units) Sample Depth (feet) Graphic Log Blow Well (feet) Fime & Depth (feet) USCS Time Description Construction Sample ID **ASPHALT** Concrete Bark and artificial turf pieces Hydrated 12:55 bentonite 1 0 4 chips MW-4@5' Cleared to 5' below grade with vacuum truck 4 5 5 SAND ; SP; light tan; medium-grained; loose; SP moist; no odor 13:00 0 1 11 MW-4@10' 12 10-10 SAND; SP; fine to medium-grained; loose; moist; no odor; mottled Clean 10-20 sand 0.010 machine slotted screen 15 13:10 22 0 1 MW-4@15' 25 15 SAND; SP; brown; medium-grained; loose; moist to wet; no odor; wet @ 14', no sheen 3EO FORM 304 256357-CP-AUG-2006.GPJ SECOR INTL.GDT 1/26/07 Well cap SAND; SP; tan; fine-grained; loose; wet; no SP 13:20 6 0 odor; trace rounded fine gravel, no sheen MW-4@20' 20-20 Hole terminated at 20 feet.

WELL / PROBEHOLE / BOREHOLE NO: PROJECT: 256357 Marysville LOCATION: 3323 Marine Drive NE, Marysville, WA MW-5 PAGE 1 OF 1 SECOR PROJECT NUMBER: 01CP.02926.00 EASTING (ft): NORTHING (ft): COMPLETED: 8/8/06 STARTED 8/8/06 LONGITUDE: LATITUDE: COMPLETED: 8/8/06 INSTALLATION: STARTED 8/8/06 TOC ELEV (ft): 96.26 GROUND ELEV (ft): DRILLING COMPANY: Cascade Drilling, Inc. BOREHOLE DEPTH (ft): 18.0 INITIAL DTW (ft): 11.40 8/8/06 DRILLING EQUIPMENT: CME 75 & 300 lb. hammer STATIC DTW (ft): 11.05 8/9/06 WELL DEPTH (ft): 18.0 BOREHOLE DIAMETER (in): 8 WELL CASING DIAMETER (in): 2 DRILLING METHOD: Auger LOGGED BY: K. Hanson CHECKED BY: SAMPLING EQUIPMENT: Split Spoon Sample Depth (feet) Graphic Log Well Time & Depth (feet) uscs Time Description Construction Sample ID **ASPHALT** Concrete Hydrated bentonite 14:25 8 0 1 chips MW-5@5' Cleared to 5' below grade with vacuum truck 5 SAND; SP; reddish brown to tan; fine to SP medium-grained; loose; moist; no odor 11 14:30 0 1 9 MW-5@10' 29 10 SAND; SP; grayish brown; medium-grained; loose; moist to wet; no odor; no sheen Clean 10-20 sand 0.010 machine sloted screen 15 14:55 1 17 0 MW-5@15' 30 SAND; SP; grayish brown; medium-grained; loose; wet; no odor; trace fine subangular gravel, no sheen GEO FORM 304 256357-CP-AUG-2006.GPJ SECOR INTL.GDT 1/26/07 Well cap Hole terminated at 18 feet. 20 20

WELL / PROBEHOLE / BOREHOLE NO: PROJECT: 256357 Marysville LOCATION: 3323 Marine Drive NE, Marysville, WA MW-6 PAGE 1 OF 1 SECOR PROJECT NUMBER: 01CP.02926.00 EASTING (ft): NORTHING (ft): COMPLETED: 8/9/06 STARTED 8/8/06 LONGITUDE: LATITUDE: INSTALLATION: STARTED 8/8/06 COMPLETED: 8/9/06 TOC ELEV (ft): 97.44 GROUND ELEV (ft): DRILLING COMPANY: Cascade Drilling, Inc. INITIAL DTW (ft): 12.40 8/9/06 BOREHOLE DEPTH (ft): 17.0 DRILLING EQUIPMENT: CME 75 & 300 lb. hammer STATIC DTW (ft): 11.97 8/9/09 WELL DEPTH (ft): 17.0 BOREHOLE DIAMETER (in): 8 WELL CASING DIAMETER (in): 2 DRILLING METHOD: Auger LOGGED BY: K. Hanson CHECKED BY: SAMPLING EQUIPMENT: Split Spoon leadspace PID (units) Depth (feet) Graphic Log Blow Well USCS Time Description Construction Sample ID ASPHALT Concrete Hydrated bentonite 3 chips 09:50 4 5 0 1 MW-6@5 Cleared to 5' below grade with vacuum truck SILTY SAND; SM; tannish orange; loose; SM moist; no odor 6 10:00 0.7 1 MW-6@10' 8 10-10 SAND; SP; grayish brown; fine-grained; SP loose; moist; no odor Clean 10-20 sand 0.010 machine slotted screen 10:15 0.5 1 13 MW-6@15' 22 SAND; SP; brownish gray; medium-grained; loose; wet; no odor; no sheen GEO FORM 304 256357-CP-AUG-2006.GPJ SECOR INTL.GDT 1/26/07 Well cap Hole terminated at 17 feet. 20 20-

WELL / PROBEHOLE / BOREHOLE NO: PROJECT: 256357 Marysville LOCATION: 3323 Marine Drive NE, Marysville, WA MW-7 PAGE 1 OF 1 SECOR PROJECT NUMBER: 01CP.02926.00 EASTING (ft): NORTHING (ft): COMPLETED: 8/9/06 STARTED 8/8/06 DRILLING: LONGITUDE: LATITUDE: COMPLETED: 8/9/06 INSTALLATION: STARTED 8/8/06 TOC ELEV (ft): 96.92 GROUND ELEV (ft): DRILLING COMPANY: Cascade Drilling, Inc. BOREHOLE DEPTH (ft): 18.0 INITIAL DTW (ft): 11.90 8/9/06 DRILLING EQUIPMENT: CME 75 & 300 lb. hammer STATIC DTW (ft): 11.50 8/9/06 WELL DEPTH (ft): 18.0 BOREHOLE DIAMETER (in): 8 WELL CASING DIAMETER (in): 2 DRILLING METHOD: Auger LOGGED BY: K. Hanson CHECKED BY: SAMPLING EQUIPMENT: Split Spoon Measured Recov. (feet) Blow Count PID (units) Depth (feet) Graphic Log Well uscs Time Description Construction Sample ID Concrete Hydrated 08:25 bentonite 1 0 11 MW-7@5' chips Cleared to 5' below grade with vacuum truck 13 SAND; SP; brown; medium-grained; loose; SP moist; no odor 08:30 0 1 8 MW-7@10' 8 10 SAND; SP; light brown; fine-grained; loose; moist; no odor Clean 10-20 sand 0.010 machine slotted screen 11 08:50 0 1 25 33 MW-7@15' SAND; SP; light brown; fine-grained; loose; wet; no odor; mottled; no sheen SECOR INTL.GDT 1/26/07 Well cap Hole terminated at 18 feet. GEO FORM 304 256357-CP-AUG-2006.GPJ 20 20-

WELL / PROBEHOLE / BOREHOLE NO: PROJECT: 256357 Marysville LOCATION: 3323 Marine Drive NE, Marysville, WA MW-8 PAGE 1 OF 1 SECOR PROJECT NUMBER: 01CP.02926.00 EASTING (ft): NORTHING (ft): COMPLETED: 8/9/06 STARTED 8/9/06 DRILLING: LONGITUDE: LATITUDE: COMPLETED: 8/9/06 INSTALLATION: STARTED 8/9/06 TOC ELEV (ft): 98.36 GROUND ELEV (ft): DRILLING COMPANY: Cascade Drilling, Inc. BOREHOLE DEPTH (ft): 18.0 INITIAL DTW (ft): 12.85 8/9/06 DRILLING EQUIPMENT: CME 75 & 300 lb. hammer STATIC DTW (ft): 12.70 8/9/06 WELL DEPTH (ft): 18.0 BOREHOLE DIAMETER (in): 8 WELL CASING DIAMETER (in): 2 DRILLING METHOD: Auger CHECKED BY: LOGGED BY: K. Hanson SAMPLING EQUIPMENT: Split Spoon Headspace PID (units) Depth (feet) Measured Blow Graphic Log Well USCS Time Construction Description Sample ID ASPHALT Concrete Hydrated 3 11:05 bentonite 6 0 1 MW-8@5' chips Cleared to 5' below grade with vacuum truck 8 SILTY SAND; SM; tannish orange; loose; SM moist; no odor; organics at 6' 8 11:10 1 12 0 MW-8@10' 20 10 10 SAND; SP; brownish gray; medium-grained; SP loose; moist; no odor Clean 10-20 sand 0.010 machine slotted screen 6 11:25 0 1 6 MW-8@15' 16 SAND; SP; brownish tan; fine to medium-grained; loose; wet; no odor; no sheen GEO FORM 304 256357-CP-AUG-2006.GPJ SECOR INTL.GDT 1/26/07 Well cap Hole terminated at 18 feet. 20 20

ATTACHMENT B ANALYTICAL LABORATORY REPORT AND CHAIN-OF-CUSTODY DOCUMENTATION

Subsurface Investigation ConocoPhillips Site No. 256357 3323 Marine Drive Northeast, Marysville, Washington SECOR PN No.: 01CP.02926.00 January 24, 2007 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

ANALYTICAL RESULTS

Prepared for:

ConocoPhillips 1230 West Washington Street Suite 212 Tempe AZ 85281

Prepared by:

Lancaster Laboratories 2425 New Holland Pike Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1001320. Samples arrived at the laboratory on Friday, August 11, 2006. The PO# for this group is 4506609197 and the release number is TROTTER.

Client Description	Lancaster Labs Number
MW-1@10' Grab Soil Sample	4839834
MW-2@10' Grab Soil Sample	4839835
MW-3@10' Grab Soil Sample	4839836
MW-4@5' Grab Soil Sample	4839837
MW-5@5' Grab Soil Sample	4839838
MW-6@10' Grab Soil Sample	4839839
	4839840
MW-7@10' Grab Soil Sample	4839841
MW-8@5' Grab Soil Sample	100,011

ELECTRONIC COPY TO

SECOR International

Attn: Marc Sauze



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Questions? Contact your Client Services Representative Megan A Moeller at (717) 656-2300

Respectfully Submitted,

Valerie L. Tomayko

Group Leader



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax:717-656-2681 • www.lancasterlabs.com

Page 1 of 2

Lancaster Laboratories Sample No. SW 4839834

MW-1@10' Grab Soil Sample Site# 256357 Proj# 01CP.02926.00 3323 Marine Drive NE - Marysville, WA Collected:08/08/2006 11:25 by KH

Submitted: 08/11/2006 09:45 Reported: 08/28/2006 at 11:19

Discard: 09/28/2006

Account Number: 11817

ConocoPhillips 1230 West Washington Street

As Received

Suite 212 Tempe AZ 85281

MDM01

CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
00111	Moisture	n.a.	3.4	0.50	¥	1
00111	"Moisture" represents the loss in 103 - 105 degrees Celsius. The mas-received basis.	in weight of th moisture result	e sample after ov reported above i	en drying at s on an		
02005	TPH by NWTPH-Gx soils					
01659	TPH by NWTPH-Gx soils	n.a.	N.D.	1.1	mg/kg	27.53
01033	The analysis for volatiles was in methanol. Therefore, the rej	performed on a porting limits	sample which was were raised.	preserved		
02214	TPH by NWTPH-Dx(soils) w/SiGel					
02097	Diesel Range Organics	n.a.	N.D.	3.0	mg/kg	1
02098	Heavy Range Organics	n.a.	N.D.	10.	mg/kg	1
02304	UST-Unleaded Soils by 8260B	×				
05460	Benzene	71-43-2	N.D.	0.0006	mg/kg	1.13
05466	Toluene	108-88-3	0.001	0.001	mg/kg	1.13
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.13
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1.13
00301	The value reported for toluene	is probably due	to carryover fro	om the previous		
	sample. Because only one sampl analysis could not be repeated.	e vial was subm	nitted for this ar	nalysis, the		

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

		Laboratory	Chro	nicle Analysis		Dilution
CAT No. 00111 02005	Analysis Name Moisture TPH by NWTPH-Gx soils TPH by NWTPH-Dx(soils) w/SiGel	Method EPA 160.3 modified ECY 97-602 NWTPH-Gx modified ECY 97-602 NWTPH-Dx modified	Trial# 1 1	Date and Time 08/15/2006 20:15 08/16/2006 20:53 08/15/2006 05:32	Analyst Scott W Freisher Linda C Pape Matthew E Barton	Factor 1 27.53



Account Number: 11817

1230 West Washington Street

ConocoPhillips

Tempe AZ 85281

Suite 212

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Page 2 of 2

Lancaster Laboratories Sample No. SW 4839834

MW-1@10' Grab Soil Sample Site# 256357 Proj# 01CP.02926.00 3323 Marine Drive NE - Marysville, WA Collected:08/08/2006 11:25 by KH

Submitted: 08/11/2006 09:45 Reported: 08/28/2006 at 11:19

Discard: 09/28/2006

MDM01 02304	UST-Unleaded Soils by 8260B	SW-846 8260B	1	08/21/2006 08:23	Stephanie A Selis	1.13
02392	GC/MS - Field Preserved	SW-846 5035	1	08/15/2006 09:02	Stephanie A Sanchez	1
06647	NaHSO4 GC Field Preserved MeOH DRO Alternate Soil	SW-846 5035 ECY 97-602 NWTPH-Dx	1	08/15/2006 09:50 08/14/2006 07:20	Stephanie A Sanchez Ineabelle Poveda	n.a. 1
07024 07579	Extraction GC/MS-Field PreservedMeOH-	06/97 SW-846 5035	1	08/12/2006 18:00	Justin M Bowers	1



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Page 1 of 4

Lancaster Laboratories Sample No. SW 4839835

MW-2@10' Grab Soil Sample Site# 256357 Proj# 01CP.02926.00 3323 Marine Drive NE - Marysville, WA Collected:08/09/2006 12:55 by KH

Submitted: 08/11/2006 09:45 Reported: 08/28/2006 at 11:19

Discard: 09/28/2006

01216 PCBs in Solids

Account Number: 11817

ConocoPhillips

1230 West Washington Street

Suite 212 Tempe AZ 85281

MDM02

			As Received	As Received Method		Dilution
CAT		CAS Number	Result	Detection	Units	Factor
No.	Analysis Name			Limit	mg/kg	1
06955	Lead	7439-92-1	2.84	0.428	111g/12g	1
00111	Moisture	n.a.	4.1	0.50	•	_
	"Moisture" represents the loss 103 - 105 degrees Celsius. The as-received basis.	in weight of t moisture resul	the sample after t reported above	e is on an		
02005	TPH by NWTPH-Gx soils					
01659	TPH by NWTPH-Gx soils	n.a.	N.D.	1.2	mg/kg	29.14
01633	The analysis for volatiles was in methanol. Therefore, the re	performed on a porting limits	a sample which was were raised.	as preserved		
02214	TPH by NWTPH-Dx(soils) w/SiGel					
02097	Diesel Range Organics	n.a.	N.D.	3.0	mg/kg	1
	Heavy Range Organics	n.a.	N.D.	10.	mg/kg	1
02098	Heavy Range Organics					
05666	WA- VPH soils					
	washed t bestell other	1634-04-4	N.D.	0.0500	mg/kg	50
05726	Methyl t-butyl ether	71-43-2	N.D.	0.0500	mg/kg	50
05738	Benzene	108-88-3	N.D.	0.0500	mg/kg	50
05739	Toluene Ethylbenzene	100-41-4	N.D.	0.0500	mg/kg	50
05740	m.p-Xylenes	1330-20-7	N.D.	0.100	mg/kg	50
05741	o-Xylene	95-47-6	N.D.	0.0500	mg/kg	50
05777 05779	C5-C6 Aliphatic Hydrocarbons	n.a.	N.D.	2.50	mg/kg	50
05779	C6-C8 Aliphatic Hydrocarbons	n.a.	N.D.	2.50	mg/kg	50
05786	C8-C10 Aliphatic Hydrocarbons	n.a.	N.D.	2.50	mg/kg	50
05794	C8-C10 Aromatic Hydrocarbons	n.a.	N.D.	2.50	mg/kg	50
05/94	C8-C10 MIOMACIC Hydrodalbomb					
05970	WA EPH in Soil					
05971	>C10 - C12 Aliphatic	n.a.	N.D.	1.0	mg/kg	1
05971		n.a.	N.D.	1.0	mg/kg	1
05972		n.a.	N.D.	3.0	mg/kg	1
05973		n.a.	N.D.	1.0	mg/kg	1
05974		n.a.	N.D.	1.0	mg/kg	1
05975	The second secon	n.a.	N.D.	1.0	mg/kg	1
05976		n.a.	N.D.	2.0	mg/kg	1
05977		n.a.	N.D.	2.0	mg/kg	1
03376						



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Lancaster Laboratories Sample No. SW 4839835

MW-2@10' Grab Soil Sample Site# 256357 Proj# 01CP.02926.00 3323 Marine Drive NE - Marysville, WA Collected: 08/09/2006 12:55 by KH

Submitted: 08/11/2006 09:45 Reported: 08/28/2006 at 11:19 Discard: 09/28/2006

Account Number: 11817

ConocoPhillips 1230 West Washington Street

Suite 212 Tempe AZ 85281

MDM02

MDM02				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection	Units	Factor
110.				Limit		
01495	PCB-1016	12674-11-2	N.D.	0.0033	mg/kg	1
01495	PCB-1221	11104-28-2	N.D.	0.0052	mg/kg	1
01496	PCB-1221 PCB-1232	11141-16-5	N.D.	0.0033	mg/kg	1
01497	PCB-1232 PCB-1242	53469-21-9	N.D.	0.0033	mg/kg	1
	PCB-1242 PCB-1248	12672-29-6	N.D.	0.0033	mg/kg	1
01499 01500	PCB-1254 PCB-1254	11097-69-1	N.D.	0.0033	mg/kg	1
	PCB-1254 PCB-1260	11096-82-5	N.D.	0.0033	mg/kg	1
01501	PCB-1200					
02858	Selected SVOA's in soil by SIM					
		07 00 3	N.D.	0.001	mg/kg	1
02863	Naphthalene	91-20-3	N.D.	0.0007	mg/kg	1
02864	2-Methylnaphthalene	91-57-6		0.002	mg/kg	1
02865	1-Methylnaphthalene	90-12-0	N.D.	0.002	mg/kg	1
02867	Acenaphthylene	208-96-8	N.D.	0.0003	mg/kg	1
02868	Acenaphthene	83-32-9	N.D.	0.0007	mg/kg	1
02870	Fluorene	86-73-7	N.D.	0.0007	mg/kg	1
02871	Phenanthrene	85-01-8	N.D.	0.0007	mg/kg	1
02872	Anthracene	120-12-7	N.D.	0.0003	mg/kg	1
02874	Fluoranthene	206-44-0	N.D.	0.0007	mg/kg	1
02875	Pyrene	129-00-0	N.D.	0.0007	mg/kg	1
02876	Benzo(a) anthracene	56-55-3	N.D.	0.0007	mg/kg	1
02877	Chrysene	218-01-9	N.D.	0.0003	mg/kg	1
02878	Benzo(b) fluoranthene	205-99-2	N.D.	0.001	mg/kg	1
02879	Benzo(k) fluoranthene	207-08-9	N.D.	0.0007	mg/kg	1 1 -
02880	Benzo(a) pyrene	50-32-8	N.D.	0.0007	mg/kg	1
02881	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.001	mg/kg	1
02882	Dibenz (a, h) anthracene	53-70-3	N.D.	0.001	mg/kg	1
02883	Benzo(g,h,i)perylene	191-24-2	N.D.	0.001	mg/ kg	-
03983	EPA SW 846/8260 - Soil					
		1634-04-4	N.D.	0.0005	mg/kg	0.96
02016	Methyl Tertiary Butyl Ether	10061-02-6	N.D.	0.001	mg/kg	0.96
06297		10061-01-5	N.D.	0.001	mg/kg	0.96
06298	cis-1,3-Dichloropropene	76-13-1	N.D.	0.002	mg/kg	0.96
08199	Freon 113	/6-13-1	N.D.	0.002		
05441	EPA SW846/8260 (soil)					
05444	Chloromethane	74-87-3	N.D.	0.002	mg/kg	0.96
05444		75-01-4	N.D.	0.001	mg/kg	0.96
05445	-	74-83-9	N.D.	0.002	mg/kg	0.96
05446	DI OMOMECHATIE					



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Lancaster Laboratories Sample No. SW 4839835

MW-2@10' Grab Soil Sample Site# 256357 Proj# 01CP.02926.00 3323 Marine Drive NE - Marysville, WA Collected: 08/09/2006 12:55

Submitted: 08/11/2006 09:45 Reported: 08/28/2006 at 11:19

Discard: 09/28/2006

Account Number: 11817

ConocoPhillips 1230 West Washington Street

As Received

Suite 212

Tempe AZ 85281

MDM02

				are modeline		
G3.E			As Received	Method		Dilution
CAT No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
05447	Chloroethane	75-00-3	N.D.	0.002	mg/kg	0.96
05447	Trichlorofluoromethane	75-69-4	N.D.	0.002	mg/kg	0.96
05449	1.1-Dichloroethene	75-35-4	N.D.	0.001	mg/kg	0.96
05450	Methylene Chloride	75-09-2	N.D.	0.002	mg/kg	0.96
05450	trans-1,2-Dichloroethene	156-60-5	N.D.	0.001	mg/kg	0.96
05451	1,1-Dichloroethane	75-34-3	N.D.	0.001	mg/kg	0.96
	cis-1,2-Dichloroethene	156-59-2	N.D.	0.001	mg/kg	0.96
05454	Chloroform	67-66-3	N.D.	0.001	mg/kg	0.96
05455	1,1,1-Trichloroethane	71-55-6	N.D.	0.001	mg/kg	0.96
05457	Carbon Tetrachloride	56-23-5	N.D.	0.001	mg/kg	0.96
05458	Benzene	71-43-2	N.D.	0.0005	mg/kg	0.96
05460	1,2-Dichloroethane	107-06-2	N.D.	0.001	mg/kg	0.96
05461	Trichloroethene	79-01-6	N.D.	0.001	mg/kg	0.96
05462	1,2-Dichloropropane	78-87-5	N.D.	0.001	mg/kg	0.96
05463	Bromodichloromethane	75-27-4	N.D.	0.001	mg/kg	0.96
05465		108-88-3	N.D.	0.001	mg/kg	0.96
05466	Toluene	79-00-5	N.D.	0.001	mg/kg	0.96
05467	1,1,2-Trichloroethane	127-18-4	0.001	0.001	mg/kg	0.96
05468	Tetrachloroethene	124-48-1	N.D.	0.001	mg/kg	0.96
05470	Dibromochloromethane	106-93-4	N.D.	0.001	mg/kg	0.96
05471	1,2-Dibromoethane	108-90-7	N.D.	0.001	mg/kg	0.96
05472	Chlorobenzene	100-41-4	N.D.	0.001	mg/kg	0.96
05474	Ethylbenzene	1330-20-7	N.D.	0.001	mg/kg	0.96
05475	m+p-Xylene	95-47-6	N.D.	0.001	mg/kg	0.96
05476	o-Xylene	75-25-2	N.D.	0.001	mg/kg	0.96
05478	Bromoform		N.D.	0.001	mg/kg	0.96
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.001	mg/kg	0.96
05491	1,3-Dichlorobenzene	541-73-1	N.D.	0.001	mg/kg	0.96
05492	1,4-Dichlorobenzene	106-46-7		0.001	mg/kg	0.96
05494	1,2-Dichlorobenzene	95-50-1	N.D.	0.001	3/ 129	

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

Analysis CAT Trial# Date and Time Analyst Method Analysis Name No.

Dilution



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Lancaster Laboratories Sample No. SW 4839835

MW-2@10' Grab Soil Sample Site# 256357 Proj# 01CP.02926.00 3323 Marine Drive NE - Marysville, WA Collected: 08/09/2006 12:55

Submitted: 08/11/2006 09:45 Reported: 08/28/2006 at 11:19 Discard: 09/28/2006

Account Number: 11817

ConocoPhillips 1230 West Washington Street Suite 212 Tempe AZ 85281

MDM02				08/16/2006 08:54	Eric L Eby	1
06955	Lead	SW-846 6010B	1		Scott W Freisher	1
00111	Moisture	EPA 160.3 modified	1	08/15/2006 20:15	Linda C Pape	29.14
02005	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	08/16/2006 21:29	_	
02214	TPH by NWTPH-Dx(soils) w/SiGel	ECY 97-602 NWTPH-Dx modified	1	08/15/2006 05:51	Matthew E Barton	1
05666	WA- VPH soils	ECY 97-602 WA VPH	1	08/22/2006 01:27	K. Robert Caulfeild- James	50
	(C-/)	ECY 97-602 WA EPH	1	08/19/2006 02:02	Robert Brown	1
05970	WA EPH in Soil	ECY 97-602 WA EPH	1	08/19/2006 02:50	Robert Brown	1
05970	WA EPH in Soil	SW-846 8082	1	08/21/2006 08:49	Richard A Shober	1
01216	PCBs in Solids	SW-846 8270C SIM	1	08/19/2006 06:35	Linda M Hartenstine	1
02858	Selected SVOA's in soil by	SW-846 82/0C SIM	_	00/15/2000		
00000	SIM EPA SW 846/8260 - Soil	SW-846 8260B	1	08/17/2006 17:05	Kenneth L Boley Jr	0.96
03983	EPA SW846/8260 (soil)	SW-846 8260B	1	08/17/2006 17:05	Kenneth L Boley Jr	0.96
05441	BNA Soil Extraction	SW-846 3550B	1	08/15/2006 14:10	Melida Reyes	1
00381		SW-846 3630C modified	1	08/17/2006 11:45	Denise L Trimby	1
00497	Silica Gel Fractionation	SW-846 3030C IIIOGIII	_			
00819	Solid Sample Pesticide	SW-846 3550B	1	08/17/2006 00:15	David V Hershey Jr	1
00013	Extract		-	08/15/2006 09:03	Stephanie A Sanchez	1
02392	GC/MS - Field Preserved	SW-846 5035	1	08/15/2006 09:03	Beepitalize ii ballolloz	_
	NaHSO4	SW-846 5035	2	08/15/2006 09:03	Stephanie A Sanchez	1
02392	GC/MS - Field Preserved	SW-846 5035	-	00, 20, 200		
05500	NaHSO4 SW SW846 ICP Digest	SW-846 3050B	1	08/15/2006 20:00	Annamaria Stipkovits	1
05708	GC - Bulk Soil Prep (VPH)	MA DEP VPH modified	1	08/15/2006 15:10	Eric L Vera	n.a.
06170	GC Field Preserved MeOH	SW-846 5035	1	08/15/2006 08:51	Stephanie A Sanchez	n.a.
06647	Extraction - DRO (Soils)	ECY 97-602 WA EPH	1	08/15/2006 09:25	Lindsay K Ward	1
07004		ECY 97-602 NWTPH-Dx	1	08/14/2006 07:20	Ineabelle Poveda	1
07024	DRO Alternate Soil	06/97	-	,,		
07570	Extraction GC/MS-Field PreservedMeOH-	SW-846 5035	1	08/12/2006 18:01	Justin M Bowers	1
07579	NC	D				1
07579	GC/MS-Field PreservedMeOH-	SW-846 5035	2	08/12/2006 18:02	Justin M Bowers	1
0,575	NC			08/12/2006 18:03	Justin M Bowers	1
07579	GC/MS-Field PreservedMeOH-	SW-846 5035	3	08/12/2006 18:03	Dubern M Dowers	-
	NC					



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Lancaster Laboratories Sample No. SW 4839836

MW-3@10' Grab Soil Sample Site# 256357 Proj# 01CP.02926.00 3323 Marine Drive NE - Marysville, WA Collected:08/09/2006 14:15 by KH

Submitted: 08/11/2006 09:45 Reported: 08/28/2006 at 11:19

Discard: 09/28/2006

Account Number: 11817

ConocoPhillips

1230 West Washington Street

Suite 212 Tempe AZ 85281

MDM03

				As Received		Dilution
CAT			As Received	Method		
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
00111	Moisture	n.a.	4.4	0.50	ŧ	1
	"Moisture" represents the loss : 103 - 105 degrees Celsius. The tas-received basis.	in weight of th moisture result	e sample after ov reported above i	en drying at s on an		
02005	TPH by NWTPH-Gx soils					
01659	TPH by NWTPH-Gx soils	n.a.	N.D.	1.1	mg/kg	26.71
01659	The analysis for volatiles was in methanol. Therefore, the re	performed on a	sample which was were raised.	preserved		
02214	TPH by NWTPH-Dx(soils) w/SiGel					
02097	Diesel Range Organics	n.a.	N.D.	3.0	mg/kg	1
02097	Heavy Range Organics	n.a.	N.D.	10.	mg/kg	1
02304	UST-Unleaded Soils by 8260B					
0=460	Damana	71-43-2	N.D.	0.0005	mg/kg	1.03
05460	Benzene	108-88-3	0.002	0.001	mg/kg	1.03
05466	Toluene	100-41-4	N.D.	0.001	mg/kg	1.03
05474	Ethylbenzene		0.001	0.001	mg/kg	1.03
06301	Xylene (Total)	1330-20-7	0.001	0.001		

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

G) E		Laboratory	Chro	nicle Analysis		Dilution
No. 00111 02005	Analysis Name Moisture TPH by NWTPH-Gx soils	Method EPA 160.3 modified ECY 97-602 NWTPH-Gx	Trial# 1 1	Date and Time 08/15/2006 20:15 08/17/2006 10:14	Analyst Scott W Freisher Linda C Pape	Factor 1 26.71
02214	TPH by NWTPH-Dx(soils)	modified ECY 97-602 NWTPH-Dx	1	08/15/2006 06:10	Matthew E Barton	1
02304	w/SiGel UST-Unleaded Soils by	modified SW-846 8260B	1	08/21/2006 08:48	Stephanie A Selis	1.03
02392	8260B GC/MS - Field Preserved NaHSO4	SW-846 5035	1	08/15/2006 09:04	Stephanie A Sanchez	1



Account Number: 11817

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Lancaster Laboratories Sample No. SW 4839836

MW-3@10' Grab Soil Sample Site# 256357 Proj# 01CP.02926.00 3323 Marine Drive NE - Marysville, WA Collected: 08/09/2006 14:15

Submitted: 08/11/2006 09:45 Reported: 08/28/2006 at 11:19

Discard: 09/28/2006

ConocoPhillips 1230 West Washington Street Suite 212 Tempe AZ 85281

MDM03 02392	GC/MS - Field Preserved	SW-846 5035	2	08/15/2006 09:04	Stephanie A Sanchez	1
06647 07024	NaHSO4 GC Field Preserved MeOH DRO Alternate Soil	SW-846 5035 ECY 97-602 NWTPH-Dx	1	08/15/2006 08:52 08/14/2006 07:20	Stephanie A Sanchez Ineabelle Poveda	n.a. 1
07579	Extraction GC/MS-Field PreservedMeOH-	06/97 SW-846 5035	1	08/12/2006 18:04	Justin M Bowers	1
07579	NC GC/MS-Field PreservedMeOH-	SW-846 5035	2	08/12/2006 18:05	Justin M Bowers	1
07579	NC GC/MS-Field PreservedMeOH-	SW-846 5035	3	08/12/2006 18:06	Justin M Bowers	1



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Lancaster Laboratories Sample No. SW 4839837

MW-4@5' Grab Soil Sample Site# 256357 Proj# 01CP.02926.00 3323 Marine Drive NE - Marysville, WA Collected:08/08/2006 12:55 by KH

Submitted: 08/11/2006 09:45 Reported: 08/28/2006 at 11:19

Discard: 09/28/2006

Account Number: 11817

ConocoPhillips

1230 West Washington Street

Suite 212

Tempe AZ 85281

MDM04

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
00111	Moisture	n.a.	3.2	0.50	8	1
	"Moisture" represents the loss : 103 - 105 degrees Celsius. The r as-received basis.	in weight of the moisture result	ne sample after or reported above :	ven drying at is on an		
02005	TPH by NWTPH-Gx soils					
01659	TPH by NWTPH-Gx soils	n.a.	N.D.	1.2	mg/kg	28.87
01639	The analysis for volatiles was in methanol. Therefore, the rej	performed on a	sample which was were raised.	preserved		
02214	TPH by NWTPH-Dx(soils) w/SiGel					
02097	Diesel Range Organics	n.a.	N.D.	3.0	mg/kg	1
02098	Heavy Range Organics	n.a.	N.D.	10.	mg/kg	1
02050	neavy names organization					
02304	UST-Unleaded Soils by 8260B					
05460	Benzene	71-43-2	N.D.	0.0005	mg/kg	1.09
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.09
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.09
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1.09

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

		Laboratory	Chro	nicle		
CAT		_		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
00111	Moisture	EPA 160.3 modified	1	08/15/2006 20:15	Scott W Freisher	1
02005	TPH by NWTPH-Gx soils	ECY 97-602 NWTPH-Gx modified	1	08/17/2006 10:50	Linda C Pape	28.87
02214	TPH by NWTPH-Dx(soils)	ECY 97-602 NWTPH-Dx modified	1	08/15/2006 06:30	Matthew E Barton	1
02304	w/SiGel UST-Unleaded Soils by	SW-846 8260B	1	08/21/2006 09:13	Stephanie A Selis	1.09
02392	8260B GC/MS - Field Preserved	SW-846 5035	1	08/15/2006 09:05	Stephanie A Sanchez	1
06647	NaHSO4 GC Field Preserved MeOH	SW-846 5035	1	08/15/2006 08:53	Stephanie A Sanchez	n.a.



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Lancaster Laboratories Sample No. SW 4839837

MW-4@5' Grab Soil Sample Site# 256357 Proj# 01CP.02926.00 3323 Marine Drive NE - Marysville, WA Collected: 08/08/2006 12:55 by KH

Submitted: 08/11/2006 09:45 Reported: 08/28/2006 at 11:19

Discard: 09/28/2006

MDM04

DRO Alternate Soil 07024

Extraction

GC/MS-Field PreservedMeOH-07579

ECY 97-602 NWTPH-Dx

06/97 SW-846 5035 Account Number: 11817

ConocoPhillips 1230 West Washington Street Suite 212 Tempe AZ 85281

Ineabelle Poveda 1 08/14/2006 07:20

1 08/12/2006 18:07 Justin M Bowers 1



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Page 1 of 2

Lancaster Laboratories Sample No. SW 4839838

MW-5@5' Grab Soil Sample Site# 256357 Proj# 01CP.02926.00 3323 Marine Drive NE - Marysville, WA Collected:08/08/2006 14:25 by KH

Submitted: 08/11/2006 09:45 Reported: 08/28/2006 at 11:20

Discard: 09/28/2006

Account Number: 11817

ConocoPhillips 1230 West Washington Street

S - Donodered

Suite 212 Tempe AZ 85281

MDM05

				As Received		
G) E			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
00111	Moisture	n.a.	4.4	0.50	&	1
00111	"Moisture" represents the loss 103 - 105 degrees Celsius. The as-received basis.	in weight of the moisture result	ne sample after of reported above	ven drying at is on an		
02005	TPH by NWTPH-Gx soils					
01659	TPH by NWTPH-Gx soils	n.a.	N.D.	1.1	mg/kg	28.09
01639	The analysis for volatiles was in methanol. Therefore, the re	performed on a porting limits	sample which was were raised.	preserved		
02214	TPH by NWTPH-Dx(soils) w/SiGel					
02097	Diesel Range Organics	n.a.	N.D.	3.0	mg/kg	1
02097	Heavy Range Organics	n.a.	N.D.	10.	mg/kg	1
02030	neuvy names objects					
02304	UST-Unleaded Soils by 8260B					
05460	Benzene	71-43-2	N.D.	0.0006	mg/kg	1.1
05466	Toluene	108-88-3	N.D.	0.001	mg/kg	1.1
05474	Ethylbenzene	100-41-4	N.D.	0.001	mg/kg	1.1
06301	Xylene (Total)	1330-20-7	N.D.	0.001	mg/kg	1.1
00001						

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

a		Laboratory	Chro	nicle Analysis		Dilution
CAT No. 00111 02005	Analysis Name Moisture TPH by NWTPH-Gx soils	Method EPA 160.3 modified ECY 97-602 NWTPH-Gx	Trial# 1 1	Date and Time 08/15/2006 20:15 08/17/2006 11:26	Analyst Scott W Freisher Linda C Pape	Factor 1 28.09
02214	TPH by NWTPH-Dx(soils)	modified ECY 97-602 NWTPH-Dx	1	08/15/2006 06:49	Matthew E Barton	1
02304	w/SiGel UST-Unleaded Soils by	modified SW-846 8260B	1	08/21/2006 09:38	Stephanie A Selis	1.1
02392	8260B GC/MS - Field Preserved	SW-846 5035	1	08/15/2006 09:06	Stephanie A Sanchez	1
06647	NaHSO4 GC Field Preserved MeOH	SW-846 5035	1	08/15/2006 08:54	Stephanie A Sanchez	n.a.



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ECY 97-602 NWTPH-Dx

06/97

SW-846 5035

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Lancaster Laboratories Sample No. SW 4839838

MW-5@5' Grab Soil Sample Site# 256357 Proj# 01CP.02926.00 3323 Marine Drive NE - Marysville, WA Collected:08/08/2006 14:25 by KH

Submitted: 08/11/2006 09:45 Reported: 08/28/2006 at 11:20

Discard: 09/28/2006

MDM05 07024

07579

DRO Alternate Soil

Extraction

GC/MS-Field PreservedMeOH-

Tempe AZ 85281 1 08/14/2006 07:20 Ineabelle Poveda

ConocoPhillips

Suite 212

1

1 08/12/2006 18:08 Justin M Bowers

Account Number: 11817

1230 West Washington Street

1



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 •717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

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Lancaster Laboratories Sample No. SW 4839839

MW-6@10' Grab Soil Sample Site# 256357 Proj# 01CP.02926.00 3323 Marine Drive NE - Marysville, WA Collected:08/09/2006 10:00 by KH

Submitted: 08/11/2006 09:45 Reported: 08/28/2006 at 11:20

Discard: 09/28/2006

Account Number: 11817

ConocoPhillips 1230 West Washington Street

As Densived

Suite 212 Tempe AZ 85281

MDM06

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
00111	Moisture "Moisture" represents the loss in 103 - 105 degrees Celsius. The mas-received basis.	n.a. in weight of th noisture result	4.5 he sample after over its reported above it	0.50 ven drying at s on an	*	1
02005	TPH by NWTPH-Gx soils					
01659	TPH by NWTPH-Gx soils The analysis for volatiles was pin methanol. Therefore, the rep	n.a. performed on a porting limits	N.D. sample which was were raised.	1.0 preserved	mg/kg	26.1
02214	TPH by NWTPH-Dx(soils) w/SiGel					
02097 02098	Diesel Range Organics Heavy Range Organics	n.a. n.a.	N.D.	3.0	mg/kg mg/kg	1
02304	UST-Unleaded Soils by 8260B					
05460 05466 05474 06301	Benzene Toluene Ethylbenzene Xylene (Total)	71-43-2 108-88-3 100-41-4 1330-20-7	N.D. N.D. N.D.	0.0005 0.001 0.001 0.001	mg/kg mg/kg mg/kg mg/kg	1 1 1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

		Laboratory	Chro	nicle Analysis		Dilution
CAT No. 00111 02005	Analysis Name Moisture TPH by NWTPH-Gx soils	Method EPA 160.3 modified ECY 97-602 NWTPH-Gx	Trial# 1 1	Date and Time 08/15/2006 20:15 08/17/2006 12:02	Analyst Scott W Freisher Linda C Pape	Factor 1 26.1
02214	TPH by NWTPH-Dx(soils)	modified ECY 97-602 NWTPH-Dx	1	08/15/2006 07:09	Matthew E Barton	1
02304	w/SiGel UST-Unleaded Soils by	modified SW-846 8260B	1	08/21/2006 10:02	Stephanie A Selis	1
02392	8260B GC/MS - Field Preserved NaHSO4	SW-846 5035	1	08/15/2006 09:07	Stephanie A Sanchez	1



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MDM 0239		SW-846 5035	2	08/15/2006	09:07	Stephanie A Sanchez	1
0664		SW-846 5035 ECY 97-602 NWTPH-Dx	1	08/15/2006 08/14/2006		Stephanie A Sanchez Ineabelle Poveda	n.a. 1
075	Extraction	06/97 SW-846 5035	1	08/12/2006	18:09	Justin M Bowers	1
075	NC	SW-846 5035	2	08/12/2006	18:10	Justin M Bowers	1
075	NC GC/MS-Field PreservedMeOH- NC	SW-846 5035	3	08/12/2006	18:13	Justin M Bowers	1